

Title (en)

Lock comprising electric actuator in particular for a vehicle door lock

Title (de)

Schloss mit elektrischer Betätigungsvorrichtung, insbesondere für ein Kraftfahrzeugtürschloss

Title (fr)

Serrure comprenant un actionneur électrique en particulier pour ouvrant de véhicule automobile

Publication

EP 1050643 B1 20051102 (FR)

Application

EP 00401158 A 20000427

Priority

FR 9905769 A 19990506

Abstract (en)

[origin: EP1050643A1] Locking element (E) under load (L) is operated by single electrical motor (M) through variable reduction gear train (R). Variable reduction gear train may comprise two elliptical gear wheels and driven wheel then operates locking element at low forces through helical spring and at high forces through solid stop which makes contact at end of helical spring travel.

IPC 1-7

E05B 65/12

IPC 8 full level

E05B 65/12 (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP)

E05B 81/25 (2013.01); **E05B 81/14** (2013.01); **E05B 85/01** (2013.01); **F16H 2035/003** (2013.01)

Cited by

FR2927109A1; DE10258391B4; DE10258390B4; FR2835866A1; EP1335330A3; US10001225B2; US7224259B2; WO2018052770A1; WO2020078515A1; WO2023104235A1; WO2024056122A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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